

Wentworth to Broken Hill Pipeline (W2BH)



Providing value for money solutions for the provision of water to regional communities



TRILITY is a Joint Venture (JV) partner in the W2BH O&M which operates and maintains the Wentworth to Broken Hill pipeline for WaterNSW



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Broken Hill had historically relied on the Menindee Lakes for the bulk of their water supply, however, in recent times as the water quality changed due to environmental factors it became difficult and costly to treat, and thus an alternative supply was sought.

The Wentworth to Broken Hill pipeline infrastructure was built by subcontractors to WaterNSW using a mixture of local and national contractors. The location of the water source at Wentworth was chosen due to its proximity and historical water quality parameters.

Through extensive analysis it was determined that the most viable long-term solution was to provide water from the River Murray, sourced at Wentworth, to the treatment plant at Broken Hill to allow for more efficient cost effective treatment.

WaterNSW subsequently engaged TRILITY as part of the W2BH O&M JV through an open tender process to deliver a very cost-effective solution whilst still providing the benefits of contracting with a national water utility specialist such as TRILITY.



Who

WaterNSW provides the water from the River Murray in Wentworth to local water treatment provider, Essential Water , to supply potable water to the 17,000 residents in the Broken Hill area.

What

Operations and maintenance of the transfer pipeline between the River Murray intake at Wentworth to the delivery point approximately 40km outside of Broken Hill.

Where

250km stretch of pipeline and infrastructure from Wentworth along the Silver City Highway towards Broken Hill.

Why

To provide River Murray water to Broken Hill to allow for effective and efficient potable water treatment and supply.

Snapshot

Client	WaterNSW
Type of Contract	Operations and Maintenance (O&M)
Technology	Mechanical pumping with bulk water storage management
Design Capacity	36ML/d
Term	10 years + 5 + 5
Capital Cost	\$467 million John Holland TRILITY JV will then undertake the operations and maintenance of the pipeline for a fixed price 20 year contract sum of \$107.3 million

For further information